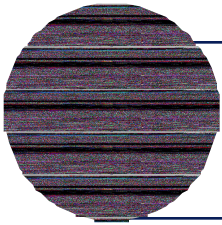


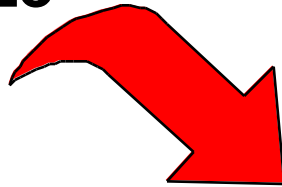
Common Technical Framework for DoD Modeling and Simulation

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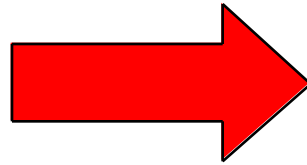


M&S is Critical to DoD's Ability to Meet its Mission

**Continuing squeeze
on DoD resources**

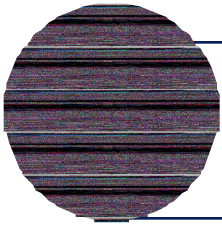


**More demanding
operational
requirements**



**Much more technical
capability at less cost**

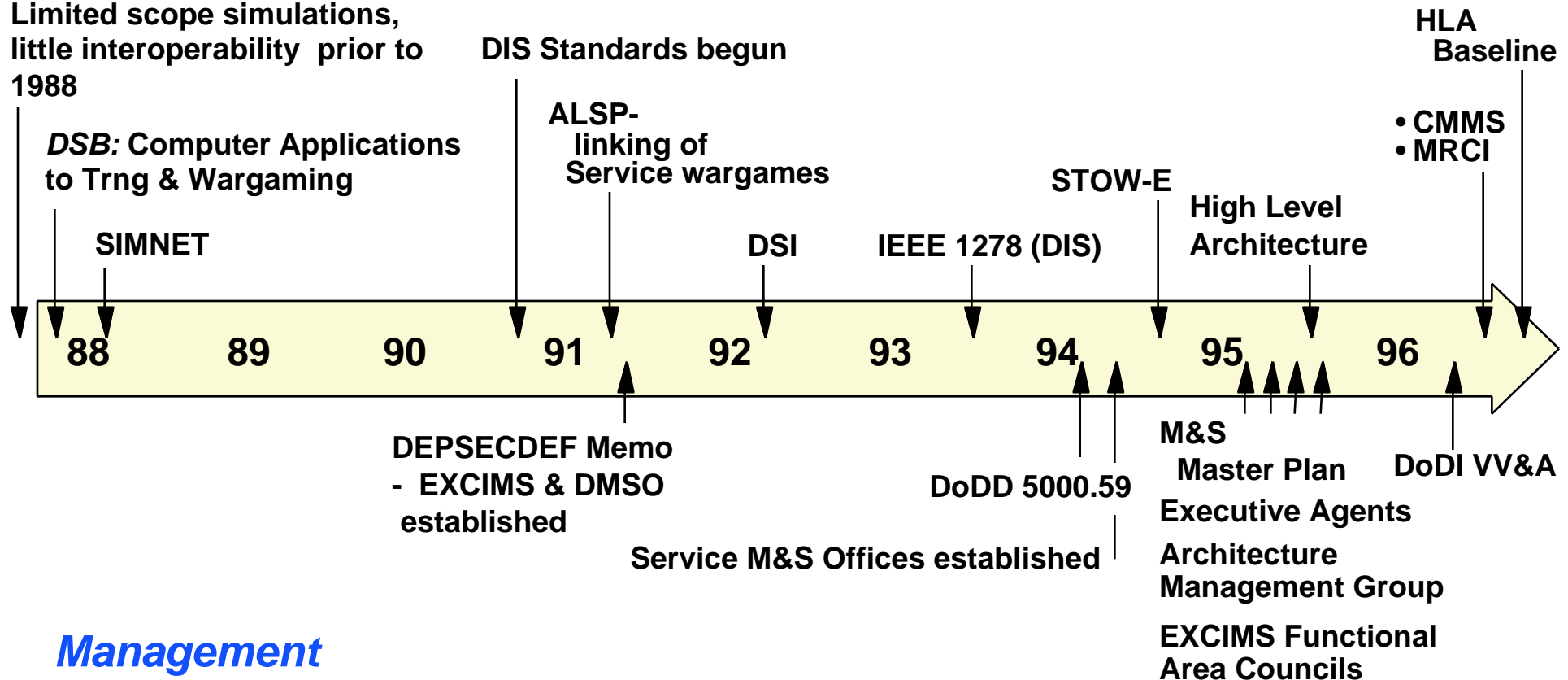




How Did We Get Here?

Technical

Limited scope simulations,
little interoperability prior to
1988



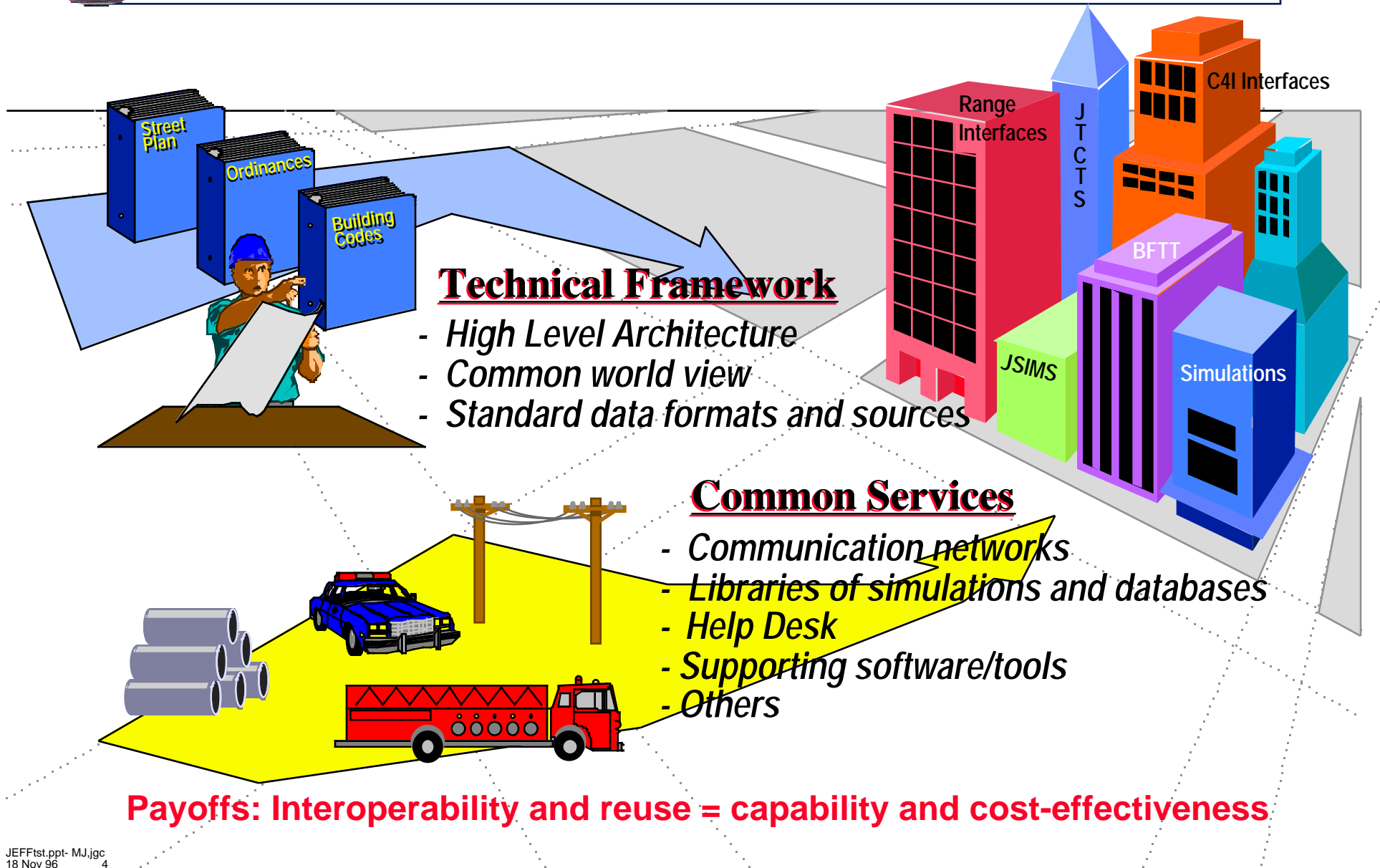
Management

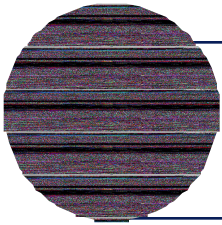
No formal management structure

Management structure stand-up

Management structure in place

DoD M&S Strategy: An Analogy to City Planning





DoD M&S Master Plan Objectives

Objective 1

Develop a common technical framework for M&S

Sub-objectives

1-1
High-level architecture

1-2
Conceptual models of the mission space

1-3
Data standardization

Objective 2

Provide timely and authoritative representations of the natural environment

Sub-objectives

2-1
Terrain

2-2
Oceans

2-3
Atmosphere

2-4
Space

Objective 3

Provide authoritative representations of systems

Objective 4

Provide authoritative representations of human behavior

Sub-objectives

4-1
Individuals

4-2
Groups and organizations

Objective 5

Establish a M&S infrastructure to meet developer and end-user needs

Sub-objectives

5-1
Field systems

5-2
VV&A

5-3
Repositories

5-4
Communications

5-5
Coordination Center

Objective 6

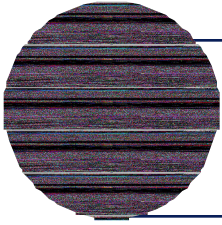
Share the benefits of M&S

Sub-objectives

6-1
Quantify impact

6-2
Education

6-3
Dual-use



Objective 1

Develop a common technical framework for M&S

Sub-objective 1-1

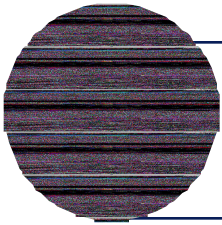
High-Level Architecture

Sub-objective 1-2

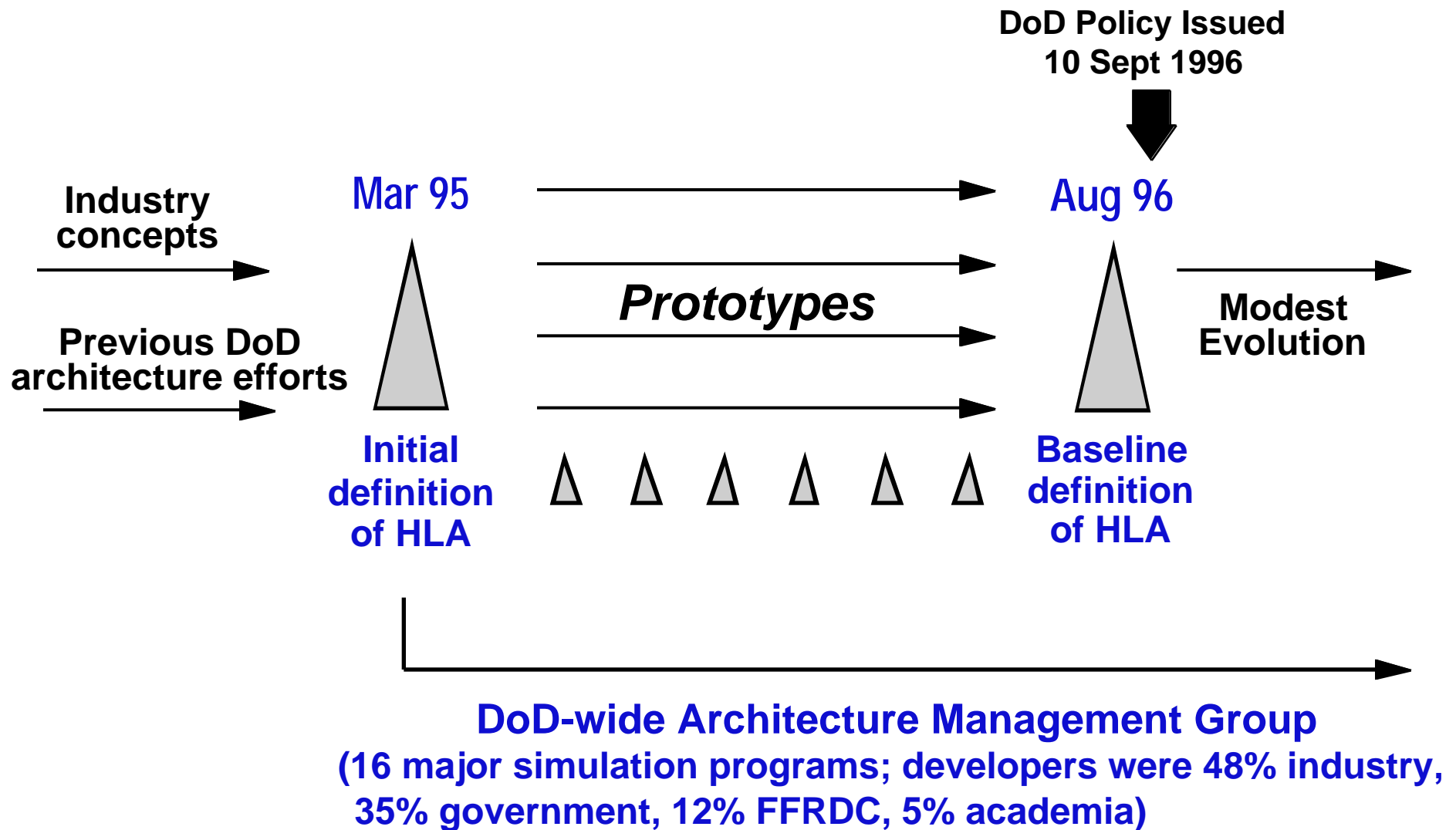
Conceptual Models of the Mission Space
(common understanding of real world)

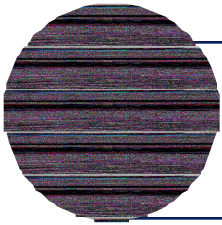
Sub-objective 1-3

Data Standards



HLA Development Process Overview





An HLA Example

